

IN THE CLAIMS

For the convenience of the Examiner, all pending claims of the present Application are shown below whether or not an amendment has been made.

Please amend the claims as follows.

1. **(Previously presented)** A method for determining the location of a mobile device comprising:

receiving a location message from a communication network, wherein the location message comprises a plurality of signal tones;

modifying a selected subset of the plurality of signal tones, wherein the selected subset comprises signal tones having a frequency within a predetermined range of frequencies;

decoding the modified signal tones into a plurality of decoded values; and determining a location of a user based on at least the plurality of decoded values.

2. **(Previously presented)** The method of Claim 1, wherein modifying the selected subset of the plurality of signal tones comprises setting a volume of the signal tones in the selected subset to a predetermined value.

3. **(Previously presented)** The method of Claim 1, wherein modifying the selected subset of the plurality of signal tones comprises:

increasing a volume of each signal tone in the selected subset for which the volume is below a predetermined minimum; and

decreasing a volume of each signal tone in the selected subset for which the volume is above a predetermined maximum.

4. **(Original)** The method of Claim 1, wherein determining a location comprises:

determining the location of the user based on at least the plurality of decoded values, and

generating a location output that includes the location of the user and conforms to National Marine Electronics Association Standard 1083 ("NMEA-1083").

5. **(Original)** The method of Claim 1, wherein determining a location comprises:

determining the location of the user based on at least the plurality of values, and

generating a location output that includes the location of the user and conforms to the SiRF binary protocol.

6. **(Original)** The method of Claim 1, wherein the predetermined range of frequencies includes only frequencies between 300 and 3500 Hz.

7. **(Original)** The method of Claim 1, wherein the plurality of signal tones comprise a plurality of Dual Tone Multifrequency (DTMF) tones, the DTMF tones identifying the location of a position locating device communicated through a mobile communication device.

8. **(Original)** The method of Claim 1, wherein the location message comprises a plurality of DTMF tones and wherein receiving a location message comprises:

receiving voice communication on a voice channel established between the user and the operator, and

receiving simultaneously the location message on the voice channel.

9. **(Currently amended)** A device for determining the location of a communication device comprising:

a network interface, ~~operable to receive~~ that receives a location message comprising a plurality of signal tones;

a signal enhancement module ~~operable to modify~~ that modifies a selected subset of the plurality of signal tones, wherein the selected subset comprises signal tones having a frequency within a predetermined range of frequencies;

a tone decoder ~~operable to decode~~ that decodes the modified signal tones into a plurality of decoded values; and

a translator ~~operable to determine~~ that determines a location of a user based on at least the decoded values.

10. **(Currently amended)** The device of Claim 9, wherein the signal enhancement module modifies ~~is operable to modify~~ the selected subset of the plurality of signal tones by setting a volume of all the signal tones in the selected subset to a predetermined value.

11. **(Currently amended)** The device of Claim 9, wherein the signal enhancement module modifies ~~is operable to modify~~ the selected subset of the plurality of signal tones by:

increasing a volume of each signal tone in the selected subset for which the volume is below a predetermined minimum; and

decreasing a volume of each signal tone in the selected subset for which the volume is above a predetermined maximum.

12. **(Currently amended)** The device of Claim 9, wherein the translator determines ~~is operable to determine~~ the location by:

determining the location of the user based on at least the plurality of decoded values, and

generating a location output that includes the location of the user and that conforms to National Marine Electronics Association Standard 1083 ("NMEA-1083").

13. **(Currently amended)** The device of Claim 9, wherein the translator determines ~~is operable to determine~~ the location by:

determining the location of the user based on at least the plurality of values, and
generating a location output that includes the location of the user and that conforms to
the SiRF binary protocol.

14. **(Previously presented)** The device of Claim 9, wherein the predetermined range of frequencies includes only frequencies between 300 and 3500 Hz.

15. **(Previously presented)** The device of Claim 9, wherein the plurality of signal tones comprise a plurality of Dual Tone Multifrequency (DTMF) tones, the DTMF tones identifying the location of a position locating device communicated through a mobile communication device.

16. **(Currently amended)** The device of Claim 9, wherein the location message comprises a plurality of DTMF tones and wherein the network interface receives ~~is further operable to receive~~ a location message by:

receiving voice communication on a voice channel established between the user and the operator; and

receiving simultaneously the location message on the voice channel.

17. **(Currently amended)** A computer program stored on a computer readable medium, wherein the computer program, when executed the computer program operable to:

receives receive a location message from a communication network, wherein the location message comprises a plurality of signal tones;

modifies modify a selected subset of the plurality of signal tones, wherein the selected subset comprises signal tones having a frequency within a predetermined range of frequencies; and

decodes decode the modified signal tones into a plurality of decoded values; and

determines determine a location of a user based on at least the plurality of decoded values.

18. **(Currently amended)** The computer program of Claim 17, wherein the computer program modifies is further operable to modify the selected subset of the plurality of signal tones by setting a volume of the signal tones in the selected subset to a predetermined value.

19. **(Currently amended)** The computer program of Claim 17, wherein the computer program modifies is further operable to modify the selected subset of the plurality of signal tones by:

increasing a volume of each signal tone in the selected subset for which the volume is below a predetermined minimum; and

decreasing a volume of each signal tone in the selected subset for which the volume is above a predetermined maximum.

20. **(Currently amended)** The computer program of Claim 17, wherein the computer program determines is further operable to determine the location by:

determining the location of the user based on at least the plurality of decoded values, and

generating a location output that includes the location of the user and conforms to National Marine Electronics Association Standard 1083 ("NMEA-1083").

21. **(Currently amended)** The computer program of Claim 17, wherein the computer program determines ~~is further operable to determine~~ the location by:

determining the location of the user based on at least the plurality of values, and

generating a location output that includes the location of the user and conforms to the SiRF binary protocol.

22. **(Previously presented)** The computer program of Claim 17, wherein the predetermined range of frequencies includes only frequencies between 300 and 3500 Hz.

23. **(Previously presented)** The computer program of Claim 17, wherein the plurality of signal tones comprise a plurality of Dual Tone Multifrequency (DTMF) tones, the DTMF tones identifying the location of a position locating device communicated through a mobile communication device.

24. **(Currently amended)** The computer program of Claim 17, wherein the location message comprises a plurality of DTMF tones and wherein the computer program receives ~~is further operable to receive~~ the location message by:

receiving voice communication on a voice channel established between the user and the operator, and

receiving simultaneously the location message on the voice channel.